

Working With Nothing

Necessity is the mother
of invention

Old English Proverb



Maximizing Resources with Limited Budgets

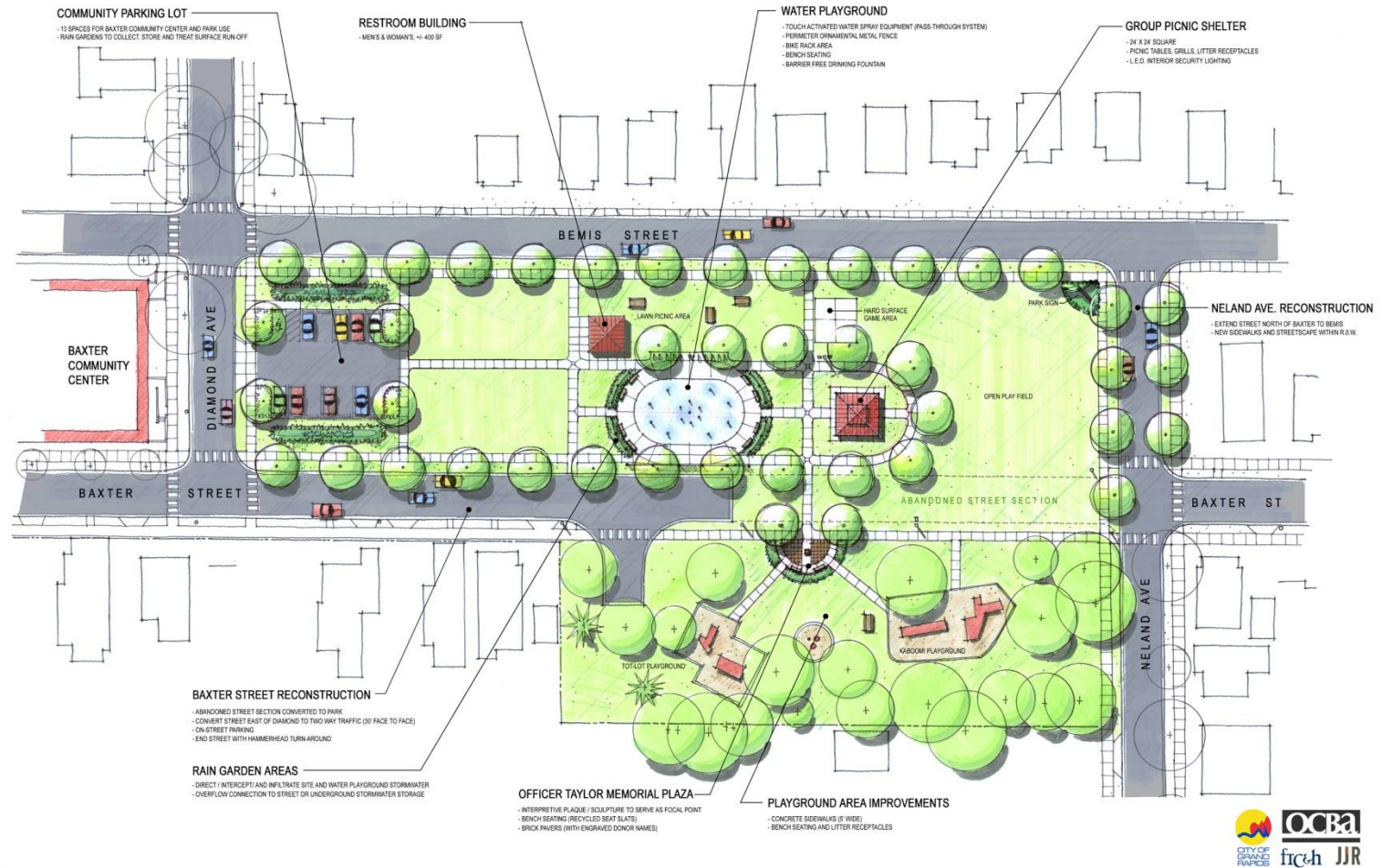


Joe Taylor Park

2003 - Update to the City's Master Plan and Recreation Five Year Plan

2009 - Green Grand Rapids Master Plan Update





GREEN GRAND RAPIDS

SPECIAL STUDY: JOE TAYLOR MEMORIAL PARK MASTER PLAN



Funding

- Capital Improvement Fund Bond
- Community Development Block Grant
- Richard and Helen DeVos Foundation,
through Friends of Grand Rapids Parks







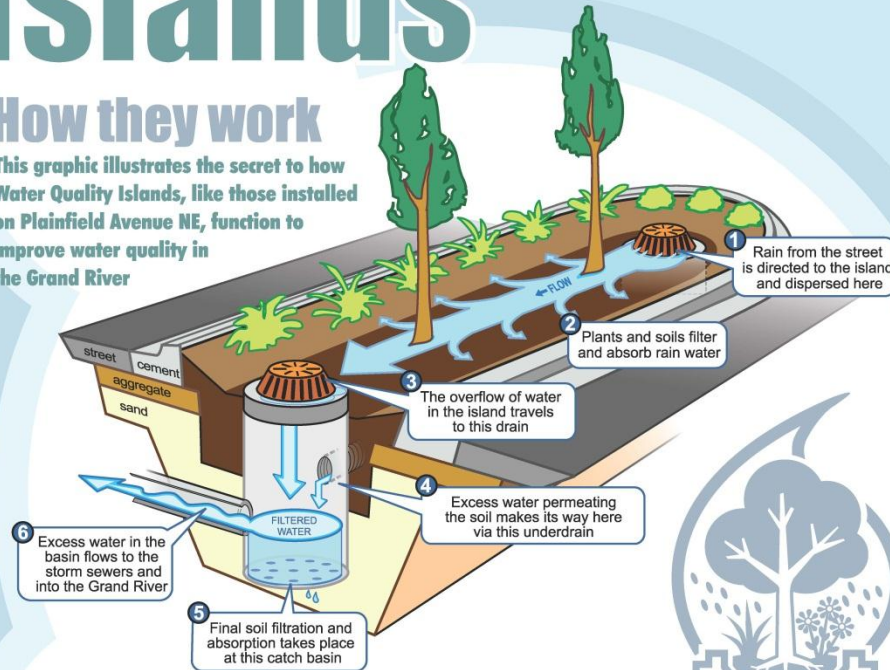




Water Quality Islands

How they work

This graphic illustrates the secret to how Water Quality Islands, like those installed on Plainfield Avenue NE, function to improve water quality in the Grand River



Benefits of the Plainfield Islands

Economic

- Enriches the neighborhood
- Triggers additional investments
- Increases property values

Social

- Enhances pedestrian safety through traffic calming and increases driver awareness
- Heightens community pride
- Provides inspiration for social responsibility

Environment

- Filters out pollutants and keeps them from the Grand River
- Reduces the volume of water going to the river and decreases flooding
- Slows the velocity of water flowing to the river and minimizes erosion



Funding



\$30,000

the north
Quarter



\$152,000

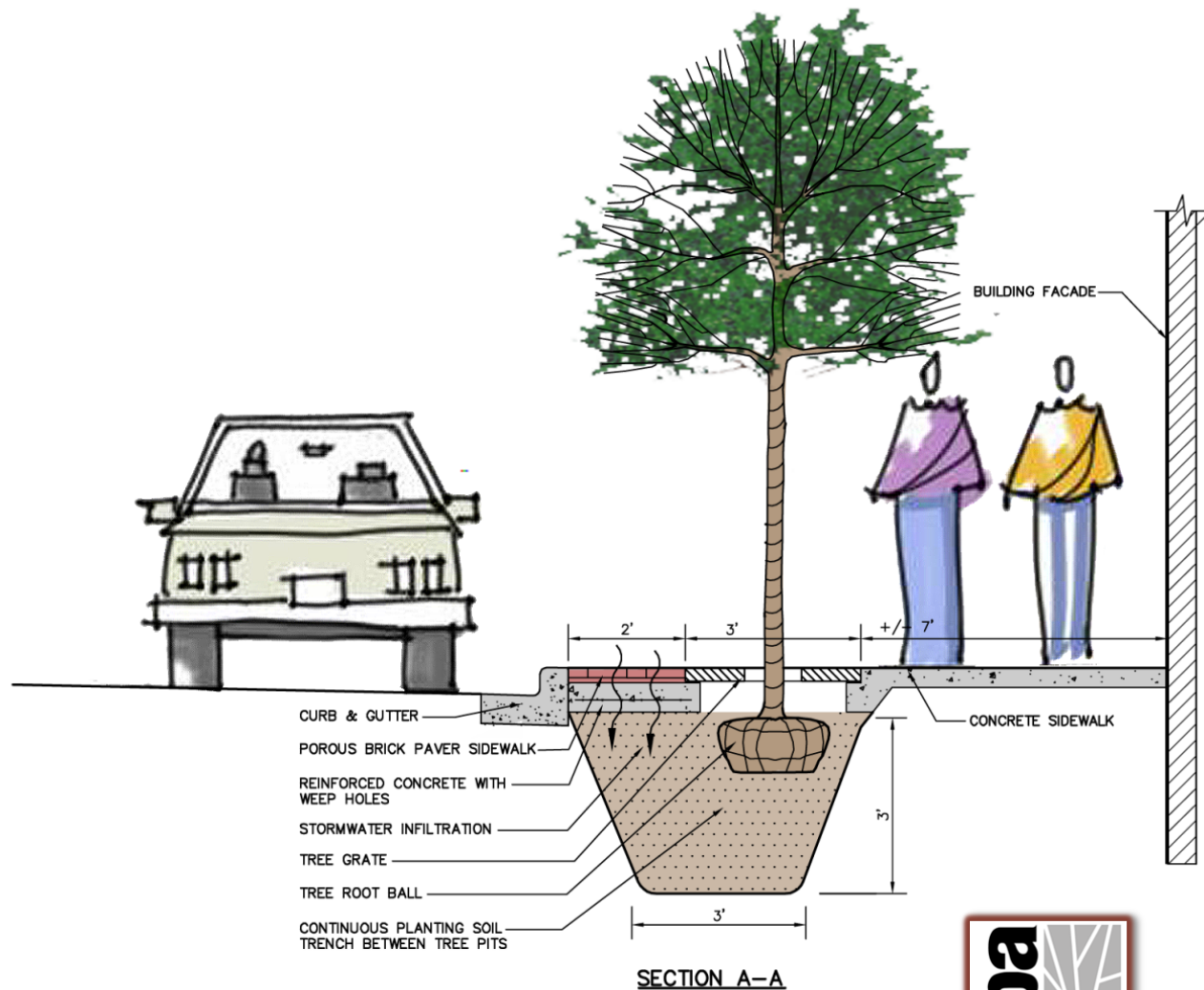


\$147,000



Downtown Market



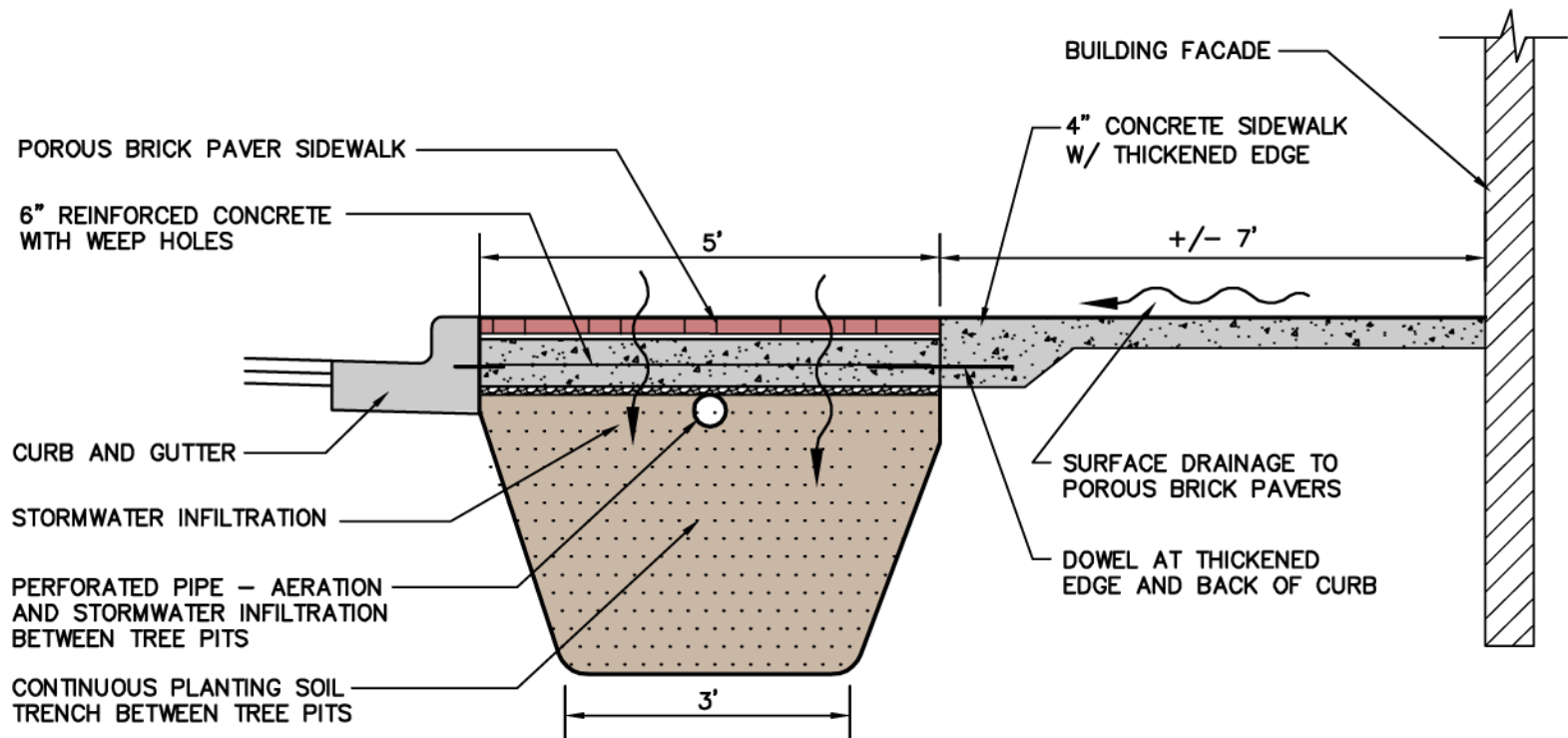


SECTION A-A

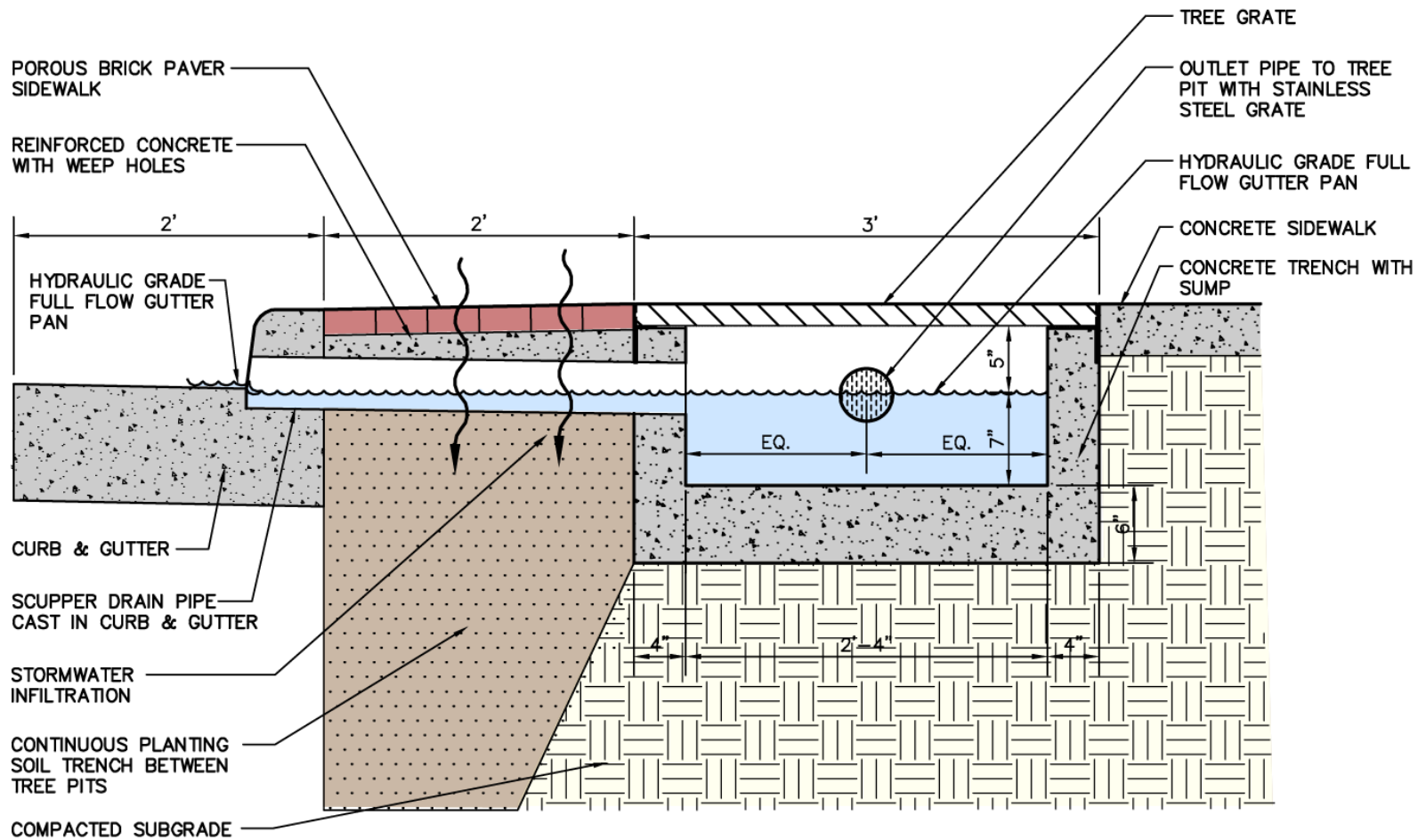
PLANTING SOIL TRENCH AND STORMWATER INFILTRATION

NO SCALE





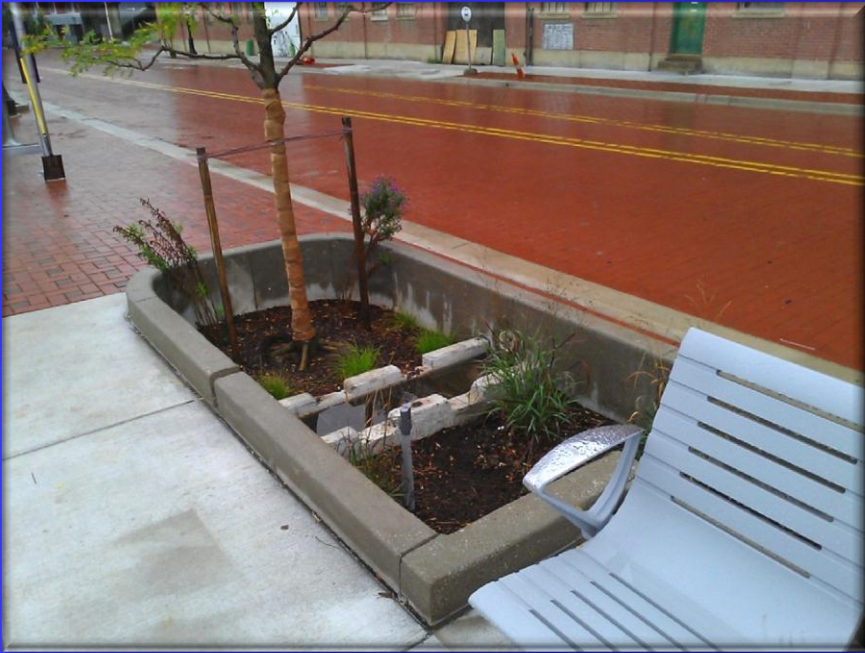
POROUS BRICK PAVER AND CONCRETE SIDEWALK – SECTION



SECTION C-C

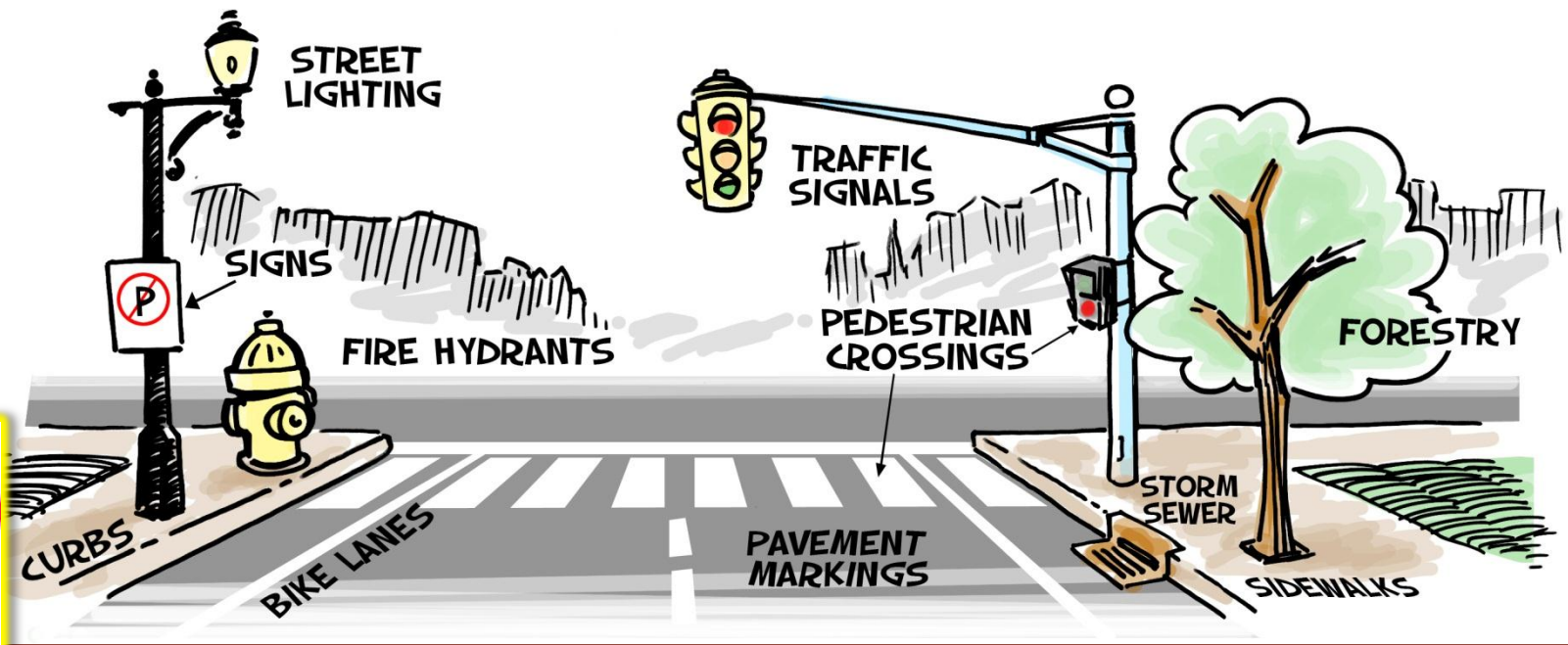






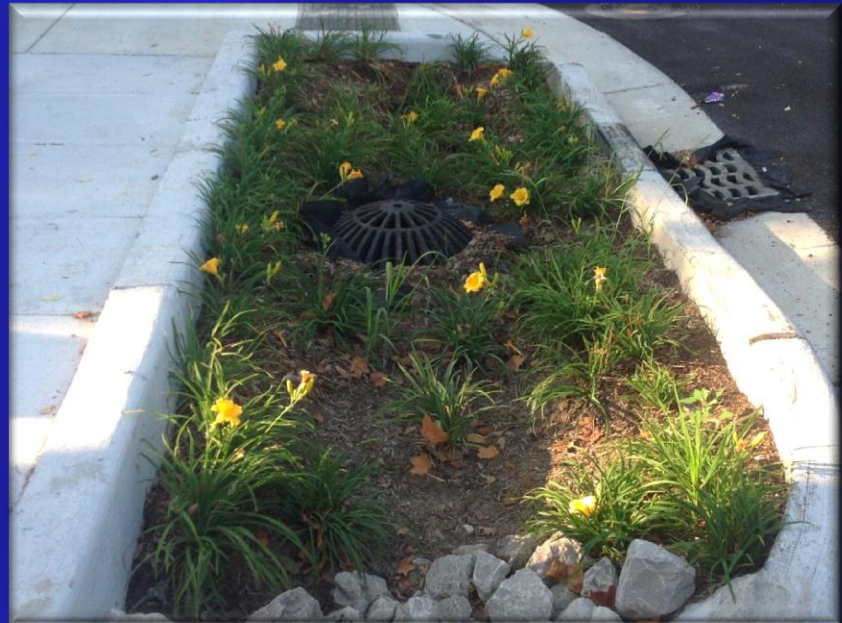
Vital Streets

Vital Streets and rights-of-way are accessible, attractive, environmentally responsible and safe; serving all people of our community. Vital Streets embrace the entire right-of-way through design that provides safe access for all users, manages stormwater in place through low impact development practices, enhances urban tree canopy and quality of life in neighborhoods and economic vitality in business districts.



Low Impact Development

Low impact design will be the *default design approach* for street, sidewalk and right-of-way repair, improvement and reconstruction and shall be used unless clear engineering difficulties prevent its use in order to enable the City to achieve a minimum of Stormwater Management Level C investment by Fiscal Year 2022 as depicted in the 2013 Stormwater Asset Management and Capital Improvement Plan.



Solutions

- Traditional
 - 600' 24" Pipe
 - ~\$150,000
- Green Infrastructure
 - 2 - Infiltration Basins
 - ~\$5,000



Contact Information

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